

ZELMENE, V.; Vanags, G.; Krastina, Z.

Halogenation of some 2 acylindandiones 1, 3. In Russian. p. 75.

LATVIJAS PSR ZINATNU AKADEMIJA. VESTIS. RIGA, LATVIA. No. 7, 1959

Monthly List of East European Accessions. (EEAI) LC, Vol. 9, no. 2,  
Feb. 1960 Uncl.

VANAG, G.Ya.[Vanags, G.], otv. red.; ZELMENE, V., red.; KOPELOVA, M.M., red.; BLYUGER, A., red.; KOVSH, O.Ya., red.; SHUL'TS, I., red.

[Phenyllin] Fenilin; sbornik statei. Riga, Izd-vo AN  
Latviiskoi SSR, 1964. 134 p. (MIRA 17:5)

1. Latvijas Padomju Socialistiskas Republikas Zinatnu  
Akademija. Organiskas sintezes instituts. 2. Institut orga-  
nisheskogo sinteza AN Latviyskoy SSR (for Vanag, Koptelova).

ZEL'NER, G.

Inventor of anastigmatic lenses Paul Rudolf. Sov.foto. 19 no.1:80  
Ja '59. (MIRA 12:3)

1. Narodnoye predpriyatiye Karl Tseyss, Iyena.  
(Lenses, Photographic) (Rudolf, Paul, 1858-1935)

ZEL'NER, V.R.

Studying nutrition processes in Jersey and ~~East~~ Friesian cows fed  
rations of various composition. Agrobiologia no.1:101-104 Ja-F '63.  
(MIRA 16:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zhivotnovodstva,  
Moskovskaya oblast'.

(Cows—Feeding and feeds)

538. SEPARATION OF HYDRAZONES OF PYRUVIC,  $\alpha$ -KETOGLUTARIC AND OXALACETIC ACIDS BY PAPER ELECTROPHORESIS. OCCURRENCE AND PROPERTIES OF ISOMERS - Dělení hydrazonů kyseliny pyrohroznové,  $\alpha$ -ketoglutarové a oxaloctové elektroforesou na papíře. Vznik a vlastnosti isomerů - Zeiniček E. and Černoch K. Lék. Chem. a Úst. pro Lék. Fys. Lék. Fak. MU, Brno - ČAS. LÉK. ČES. 1958, 97/6-7 (188-190)  
Graphs 1 Tables 2

Hydrazones of pyruvic,  $\alpha$ -ketoglutaric and oxalacetic acid were separated by paper electrophoresis in 0.05 M  $\text{NaHCO}_3$ , and the occurrence and properties of their isomers were studied. Pyruvic hydrazone isomers number 2, with different properties. The less mobile electrophoretic isomer corresponds to the *cis* form, the more mobile to the *trans* form. Hydrazones of dicarboxylic  $\alpha$ -ketoacids give only one isomer.

ZEHNICEK, Eman (Brno, Komenskeho nam. 2.)

Determination of  $\alpha$ -ketone acids in cerebrospinal fluid. Cas. lek. cesk.  
98 no.27:856-859 3 July 59.

1. Ustav pro lebarskou chemii lebarske fakulty v Brne, predmosta prof.  
MUDr. Oktavian Wagner. E. Z., Brno, Komenskeho nam. 2.

(KETONE ACIDS, in cerebrospinal fluid  
determ. of  $\alpha$ -ketone acids, chromatography & electrophoresis  
(Cz))

ZELNICEK, Eman

Excretion of alpha-ketoglutaric and pyruvic acids in nephritic patients. Cas.lek.cesk. 99 no.3/4:122-125 22 Ja '60.

1. Ustav pro lekářskou chemii lékařské fakulty v Brně, přednosta prof.dr. O. Wagner.

(GLUTARATES urine)

(PYRUVATES urine)

(NEPHRITIS urine)

ZELNICEK, Eman

Paper chromatographic determination of alpha keto acids in blood and urine. Cas.lek.cesk 99 no.29:927-928 15 J1'60.

1. Ustav pro lekářskou chemii lékařské fakulty v Brně, přednosta prof.dr. O. Wagner.

(KETO ACIDS chem)

ZELNICEK, Eman

Metabolism of  $\alpha$ -keto acids in phenylketonuria. Scr. med. fac. med.  
Brunen 35 no.1/2:1-9 '62.

1. Ustav pro lekarskou chemii lekarske fakulty university J.E.Purkyne  
v Brne Prednosta prof. MUDr. Oktavian Wagner.  
(KETO ACIDS metab) (PHENYLPYRUVIC OLIGOPHRENIA metab)

HRAZDIRA, Ivo; ZELNICEK, Eman

Physical-chemical effects of ultrasonics. Scr.med.fac.med.  
Brunensis 37 no.1:1-9 '64

1. Katedra lekarske fyziky lekarske fakulty J.E.Purkyne v Brne  
(vedouci: doc. MUDr. Jaroslav Stanek, CSc.) a Katedra lekarske  
chemie lekarske fakulty university J.E.Purkyne v Brne (vedouci:  
prof. MUDr. Oktavian Wagner).

ZELNICEK, Euan; MRSKOS, Antonin; KRYSTIK, Ferdinand

Contribution to the metabolism of alpha-keto-acids in glyco-  
genosis with glucose-6-phosphatase insufficiency. Scr.med.  
fac.med. Brunensis 37 no.1:11-19 '64.

1. Katedra lekarske chemie lek. fak. university J.E.Purkyne  
v Brne (vedouci: prof. MUDr. O.Wagner) a Detske oddeleni ne-  
mocnice ve Znojme (primar: MUDr. F.Krystik).

\*

ZELNICEK, E.; SLAMA, J.

Excretion of alpha-ketoacids and some phenolacids in phenylketonurics. Cas. lek. Cesk. 104 no.51:1393-1398 17 D '65.

1. Ustav pro lekářskou chemii lékařské fakulty University J.E. Purkyně v Brně (přednosta doc. dr. J. Slavík, CSc.).

CZECHOSLOVAKIA UDC 616.379-008.64:616.153.484.2-074

ZELNICEK, E.; Chair of Medical Chemistry, Medical Faculty, J.E. Purkyně University (Katedra Lekarske Chemie Lekarske Fakulty UJEP), Brno, Head (Vedouci) Docent Dr J. SLAVIK.

"Alpha-Keto-Acids in Diabetic Patients."

Prague, Casopis Lekaru Ceskych, Vol 105, No 33, 19 Aug 66, pp 892 - 895

Abstract [Author's English summary modified]: Pyruvate and alpha-ketoglutarate was determined in the blood of 56 fasting diabetics, and in the urine of 41 of them. The pyruvate level on fasting was raised in obese diabetics; in diabetics needing insulin it was reduced. The alpha-keto-glutarate level was reduced in diabetics needing insulin therapy. Both levels were reduced in diabetics suffering from acidosis. 3 Tables, 26 Western, 4 Czech references. (Manuscript received Mar 66).  
1/1

ZELNICEK, M.

Zelnicek, M. Experiences in using bolts on high-pressure flanges of steam turbines. p. 270. ENEROETIKA. Praha. Vol. 5, no. 7, Aug. 1955.

SO: Monthly List of the East European Accession, (EEAL), LC. Vol. 4, no. 10, Oct. 1955. Uncl.

Zelnicek, M.

Experiences with operation of high-pressure turbogenerators. p. 166.  
ENERGETIKA. (Ministerstvo paliv a energetiky. Hlavni sprava  
elektraren) Praha. Vol. 6, no. 4, April 1956.

Source: EEAL IC Vol. 5, No. 10 Oct. 1956

ZELNICEK, M. DOLEZAL, R.

Some interesting details of West German caloric-power stations. p. 146.

(Energetika. Vol. 7, no. 3, Mar. 1957. Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 10, October 1957. Uncl.

ZELNICEK, M.

Operating experiences with a steam pipeline for 986°F. and 2062 p.s.i.

P. 520. (ENERGETIKA.) (Praha, Czechoslovakia) Vol. 7, No. 10, Oct. 1957

SO: Monthly Index of East European Accession (EEAI) LC. Vol. 7, No. 5, May 1958

ZELNICEK, Miloslav

Safety measures in coal handling and slag and fly ash disposal.  
Energetika Cz 12 no.11:569-572 N '62.

ZEINIK, ANDREY: Master Tech Sci (diss) -- "Investigation of convective heat exchange in a gas stream containing particles of solid material". Moscow, 1958.

15 pp (Min Higher Educ USSR, Moscow Inst of Chem Machinebuilding), 150 copies

(KL, No 4, 1959, 126)

ZELNIK, Andrej, zast.doc., inž., CSc; RAJCOK, Matus, inž.; PLAVKA, Ivan, Inž.

Influence of ball charge on convection heat transfer. Stroj.  
cas 14 no.6:547-556 '63.

1. Strojnícka fakulta Slovenskej vysokej školy technickej,  
Bratislava.

RENDOSH, F. [Rendos, F.]; DOMANSKIY, R.; KOZMAL, F.; ZELNIK, A.; PAYTIK, I.

Production of furfurole and acetic acid by means of low-temperature  
pyrolysis of sawdust in a fluidized bed. *Gidroliz. i lesokhim. prom.*  
17 no.7:12-13 '64. (MIRA 17:11)

1. Slovatskaya akademiya nauk (for Rendosh, Domanskiy, Kozmal).
2. Slovatskiy politekhnicheskii institut (for Zelnik). 3. Zavod  
'Buchina" (for Pavtik).

CZECHOSLOVAKIA / Farm Animals. Cattle. Q

Abs Jour: Ref Zhur-Biol., No 9, 1958, 40433.

Author : ~~Zelnik Jaroslav.~~

Inst : Not given.

Title : On the Correlation Between the Fat Content in  
Cow's Milk and the Number of the Cutaneous Sub-  
aceous Glands.

Orig Pub: Pol'nohospodarstvo, 1957, 4, No 2, 354-360.

Abstract: Small slices of skin, measuring 5 x 7 mm., were  
cut out of the internal surface of the pinna  
of 20 Simmenthal cows (the milk fat content in  
10 cows ranged from 2.3%, and in 10 other cows  
it ranged from 3.6% to 5.3%). From these slices,  
in order to count the number of sebaceous glands,  
2 histological preparations were made: the first  
one cut out from the portion of the pinna with

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CZECHOSLOVAKIA / Farm Animals. Cattle. Q

Abs Jour: Ref Zhur-Biol., No 9, 1958, 40433.

Abstract: sparse hair cover (1st place), and the second one taken from the section with dense hair cover (2nd place). The following coefficients of the correlation between the percentage of the fat in the milk and the number of sebaceous glands were found: the coefficients obtained from the sample of the 1st place were  $0.55 \pm 0.19$ , and the coefficients obtained from the 2nd place were  $0.34 \pm 0.22$ ; the average coefficients for both samples were  $0.46 \pm 0.20$ . The technique used for obtaining skin samples, and the methods used in making the preparations, are described.

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23

ZELNIKER, J.

"Present results of all-day navigation on the Oder River."  
Gospodarka Wodna, Warsaw, Vol 13, No 11, Nov 1953, p. 429

SO: Eastern European Accessions List, Vol 3, No 10, Oct 1954, Lib. of Congress

USSR/General Biology - Genetics, Animal Genetics.

B.

Abs Jour : Ref Zhur - Biol., No 21, 1958, 94696

Author : Ruus, G., Zelnin, V.

Inst : Estonian Agricultural Academy.

Title : On the Possibility of Obtaining Vegetative Hybrids by Protein Substitution in Various Bird Species.

Orig Pub : Eesti Põllumaj. Akad. teaduslike tööde kogumik, Sb. nauchn. tr. Est. s-kh. akad., 1957, 3, 153-160

Abstract : Experiments were cited on the substitution of 20 ml of protein in eggs of chickens, turkeys and ducks with the same quantity of protein from eggs of another breed or species of birds. Protein substitution occurred on the 2-3rd day of incubation. Percentage of hatchings with partial protein substitution varied from 0 to 19; in the control group eggs of the leghorn chicken it equaled

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USSR/General Biology - Genetics. Animal Genetics.

B.

Abs Jour : Ref Zhur - Biol., No 21, 1958, 94696

76. All the young hatched from eggs with partial protein substitution were completely similar to the breed from which the eggs occurred as regard to weight at birth and external aspect. In another experiment, in eggs obtained from cross breeding leghorn chickens with Rhode Island roosters, 20-22 ml of protein was substituted with protein from bronze turkey eggs. Roosters obtained from such eggs were paired with leghorn chickens and in the eggs of the latter 20-22 ml of protein was substituted anew with the same quantity of protein from bronze turkey eggs. Chickens and roosters of the experimental groups of the 2nd and 3rd generations were interbred, also substituting in their eggs 20-21 ml of protein with the same quantity of protein from the bronze turkey eggs. The partial substitution in the four generations of protein of the chicken eggs by protein of the bronze turkey did not cause in the progeny appearances of any signs in the exterior, temperament,

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- 35 -

USSR/General Biology - Genetics. Animal Genetics.

B.

Abs Jour : Ref Zhur - Biol., No 21, 1958, 94696

voice, form and color of eggs, hatching instinct which  
are characteristic for the turkey. Some reduction of  
egg laying capacity and live weight was observed. --  
Ya. L. Glenbotskiy

Card 3/3

ZELNIN, V.

"Experiments with the crossbreeding of sheep."

p. 550 (Sotsialistlik Põllumajandus) Vol. 12, no. 12, Dec. 1957  
Tallinn, Estonia

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,  
April 1958

ZEL'NITSKIY, N. N.

ZEL'NITSKIY, N. N., inzhener; RUBINSHTAYN, S. B., inzhener

Continuous live for planing lumber for window sashes. Der.prom.  
4 no.7:20-21 J1'55. (MIRA 8:10)

1. Karacharovskiy derevoobrabatyvayushchiy kombinat Glavstandart-  
doma MPSM SSSR  
(Karacharovo--Woodworking industries) (Sashes)

ZEL'NITSKIY, M.M.; RUBINSHTEYN, S.B.

Automatization of a pendulum saw. Der.prom. 4 no.11:21 N '55.  
(MLRA 9:2)

1. Karacharevskiy derevesbrabatyvayuchchiy kombinat Glavstandart-  
dema Ministerstvo promyshlennosti stroitel'nykh materialov SSSR.  
(Saw)

BAKHAROV, M.D.; ZELENITSKIY, N.N.

Introducing a semiautomatic line for painting board articles.  
Bul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn.  
inform. 18 no. 12:46-47 D '65 (MIRA 19:1)

ZELNY, J.

ZELNY, J. Pieris napi L., subspecies fatraica Stanek, in the Lesser Fatra. p. 548.

Vol. 11, No. 9, 1956.

BIOLOGIA

SCIENCE

Bratislava, Czechoslovakia

So: East European Accession, Vol. 6, No. 2, Feb. 1957

ZEL'NYI

CZECHOSLOVAKIA / General and Specialized Zoology - Insects

0-7

Abs Jour : Ref Zhur - Biol., No 6, March 1957, No 23171

Author : Zel'nyy

Inst : Not Given

Title : Melanism in *Parnassius apollo* L. in the Karpát District of  
North Slovakia

Orig Pub : Biologia, 1956, 11, No 2, 106-111

Abstract : A description of rare melanism cases in male and female  
*apollo* subspecies (*P. apollo*) inhabiting the Karpát Oblast  
of North Slovakia. Also a diagnosis of a new form of partial  
melanism of *P. apollo candidus* f. *basinigra* f. nov.

Card : 1/1

SOV/156-58-3-4/52

AUTHORS: Shevtsova, Z. N., Zelova, V. S., Ushakova, L. I.

TITLE: The Solubility in the Systems:  $\text{LaCl}_3$  -  $\text{NaCl}$  -  $\text{H}_2\text{O}$ ,  $\text{NdCl}_3$  -  $\text{NaCl}$  -  $\text{H}_2\text{O}$ ,  $\text{LaCl}_3$  -  $\text{CaCl}_2$  -  $\text{H}_2\text{O}$ , and  $\text{NdCl}_3$  -  $\text{CaCl}_2$  -  $\text{H}_2\text{O}$  at  $25^\circ$  (O rastvorimosti v sistemakh:  $\text{LaCl}_3$  -  $\text{NaCl}$  -  $\text{H}_2\text{O}$ ,  $\text{NdCl}_3$  -  $\text{NaCl}$  -  $\text{H}_2\text{O}$ ,  $\text{LaCl}_3$  -  $\text{CaCl}_2$  -  $\text{H}_2\text{O}$  i  $\text{NdCl}_3$  -  $\text{CaCl}_2$  -  $\text{H}_2\text{O}$  pri  $25^\circ$ )

PERIODICAL: Nauchnyye doklady vysshey shkoly, Khimiya i khimicheskaya tekhnologiya, 1958, Nr 3, pp. 417 - 421 (USSR)

ABSTRACT: The isothermal lines of the mentioned systems were investigated at  $25^\circ$ . The results are given in tables 1 - 4 and in diagrams 1 - 4. Equilibrium was reached within three days. It was considered to be constant when two successive samples showed the same composition. The composition of the solid phases was determined chemically and crystal-optically, and was graphically determined according to the method of Shreynemakers. From this paper these conclusions are drawn:

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sov/156 58-3-4/52

The Solubility in the Systems:  $\text{LaCl}_3 - \text{NaCl} - \text{H}_2\text{O}$ ,  $\text{NdCl}_3 - \text{NaCl} - \text{H}_2\text{O}$ ,  
 $\text{LaCl}_3 - \text{CaCl}_2 - \text{H}_2\text{O}$ , and  $\text{NdCl}_3 - \text{CaCl}_2 - \text{H}_2\text{O}$  at  $25^\circ$

1) Isometrically the solubility in the following systems was found to be:  $\text{LaCl}_3 - \text{NaCl} - \text{H}_2\text{O}$ ,  $\text{NdCl}_3 - \text{NaCl} - \text{H}_2\text{O}$ ,  $\text{LaCl}_3 - \text{CaCl}_2 - \text{H}_2\text{O}$ ,  $\text{NdCl}_3 - \text{CaCl}_2 - \text{H}_2\text{O}$ .

2) The mentioned systems may be represented in simple diagrams with an "evtonika"; these are located at a composition of 47,95%  $\text{LaCl}_3$  and 0,98%  $\text{NaCl}$ , of 48,72%  $\text{NdCl}_3$  and 0,61%  $\text{NaCl}$ , respectively, and for the systems with  $\text{CaCl}_2$ : 7,57%  $\text{LaCl}_3$  and 40,10%  $\text{CaCl}_2$ , 6,40%  $\text{NdCl}_3$  and 39,14%  $\text{CaCl}_2$ , respectively.

3) Lanthanum and neodymium chloride form crystal hydrates with the compositions  $\text{LaCl}_3 \cdot 7 \text{H}_2\text{O}$  and  $\text{NdCl}_3 \cdot 6 \text{H}_2\text{O}$ .

There are 4 figures and 4 tables.

ASSOCIATION:

Kafedra tekhnologii redkikh i rasseyannykh  
 elementov Moskovskogo instituta tonkoy khimicheskoy tekhn-

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SOV/156-58-3-4/52  
The Solubility in the Systems:  $\text{LaCl}_3 - \text{NaCl} - \text{H}_2\text{O}$ ,  $\text{NdCl}_3 - \text{NaCl} - \text{H}_2\text{O}$ ,  
 $\text{LaCl}_3 - \text{CaCl}_2 - \text{H}_2\text{O}$ , and  $\text{NdCl}_3 - \text{CaCl}_2 - \text{H}_2\text{O}$  at  $25^\circ$

logii im. M. V. Lomonosova (Chair for the Technology of Rare  
and Trace Elements of the Moscow Institute of Chemical Fine  
Technology imeni M. V. Lomonosov)

SUBMITTED: January 21, 1958

Card 3/3

GERASIMENKO, V.Ye., inzh.; ZELONDZHEV, O.M., inzh.; PSHENICHER, V.L., inzh.

New diagram of the block of the TP-100 boiler unit. Energ. stroi. no.34:  
20-26 '63. (MIRA 17:1)

1. Proyektnaya kontora tresta "Teploenergomontazh".

ZELONDZHEV, O.M., inzh.

Erection of a metal smokestack using a "creeping" platform  
with crane arms. Energ. stroi. no.31:43-45 '62.

(MIRA 16:7)

1. Proyechnaya kontora Tresta po montazhu teploelektrostantsiy.  
(Chimneys) (Boilers)

PEVTSOV, G.A.; MANOVA, T.G.; ZELOVA, V.S.; SNYATKOVSKAYA, R.G.

Chemical-spectral determination of the traces of metals in  
chemical reagents. Trudy IREA no.25:303-310 '63.

(MIRA 18:6)

*ZELPKO, V.F.*

PHASE I BOOK EXPLOITATION

SOV/4169

Eksploatatsionnaya nadezhnost' metalla parosilovykh ustanovok; sbornik statey  
(Operational Reliability of Metal in Steam Power Plants; Collection of Articles)  
Moscow, Gosenergoizdat, 1959. 126 p. 2,200 copies printed.

Ed. (Title page): I.N. Laguntsov, Candidate of Technical Sciences; Ed. (Inside book):  
I.K. Korikovskiy; Tech. Ed.: N.I. Borunov.

PURPOSE: This collection of articles is intended for technical personnel of power  
stations, power machinery plants, and scientific research institutes.

COVERAGE: The articles set forth the results of investigations that were conducted  
by Otdeleniye metallov, Vsesoyuznyy teplotekhnicheskii institut imeni F.E.  
Dzerzhinskogo (Department of Metals of the All-Union Heat Engineering Institute  
imeni F.E. Dzerzhinskiy) in the years 1955-57. The articles deal with the problem  
of investigating new types of steel and of analyzing the causes of damage to cer-  
tain parts of power plant equipment. Problems associated with operating dependa-  
bility of welded joints in steam piping for high and extra-high pressure boilers  
are discussed. The results of investigations of dry pressure "bonding" of metals

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Operational Reliability of Metal (Cont.)

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under high-temperature conditions are given. The reasons for seizure and "baking" together of threaded joints and methods for preventing these phenomena are explained. No personalities are mentioned. References accompany individual articles.

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Operational Reliability of Metal (Cont.)

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Operational Reliability of Metal (Cont.)

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Gulyayev, V.N., Prevention of Threaded Joints From Seizure and Being  
"Baked" Together

115

AVAILABLE: Library of Congress

Card 4/4

VK/dwm/gmp

ZELTAKOV, M.M.

Pathogenesis of certain dermatoses according to the Pavlovian theory.  
Cesk.derm. 26 no.6:214-216 June 51.

(CUML 21:1)

ARSHINSKIY, V.M.; BAGAUTINOV, G.A.; BESPALOV, M.V.; GASPAROVICH, P.I.;  
GOLOMIDOV, I.N.; GOLUBOV, G.B.; GRIN, L.T.; ~~ZEL'SKIY, S.A.~~;  
IL'INYKH, A.F.; KOZIN, V.Z.; KRYUKOV, V.P.; KULAKOV, S.N.;  
LUKAS, V.A.; MINEYEV, V.A.; PETROV, Yu.S.; PIRUSHKO, M.G.;  
PROKOF'YEV, Ye.V.; REBETS, B.A.; STARTSEV, N.V.; TROP, A.Ye.,  
prof.; KHRAMOV, V.A.; ABRAMOV, V.I., otv. red.; PROZOROVSKAYA,  
V.L., tekhn. red.; BOLDYREVA, Z.A., tekhn. red.

[Handbook on electric equipment for mines] Spravochnik gorno-  
go elektrotekhnika. Pod obshchei red. A.E.Tropa. Moskva,  
Gosgortekhnizdat, 1962. 400 p. (MIRA 16:5)  
(Electricity in mining)

ZEL'SKIY, Ye.

Chief petty officer's story. Sov.mor. 16 no.21:5-6 N '56,  
(Antiaircraft guns) (MIRA 10:1)

ZEL'TEN, N.

Residential buildings in small White Russian towns. Vestsi AH BSSR.  
Ser. fiz.-tekh. nay. no. 4:81-90 '56. (MIRA 10:6)  
(White Russia--City planning)  
(White Russia--Labor and laboring classes--Dwellings).

ZEL'TEN, N.A.

Advice on planning district centers in White Russia. Dokl. AN BSSR  
1 no.2:69-72 0 '57. (MIRA 11:2)

1. Predstavleno deystvitel'nym chlenom Akademii stroitel'stva i  
arkhitektury A.P. Voinovym.  
(White Russia--City planning)

ZELTER, E.

ZAMFIR, C.; MARINESCU, B.; CIOBANU, V.; TURCU, E.; GHEORGHIU, GH.; ZELTER, E.

Penicillin therapy of endocarditis lenta. Probl. card., Bucur.  
2:61-96 1956.

(ENDOCARDITIS, SUBACUTE BACTERIAL, therapy  
penicillin)

(PENICILLIN, ther. use  
endocarditis, subacute bact.)

ROMANIA

ALEXIU, L., Maj-Gen, Dr, IONESCU, M., Col, Dr, ZEITER, E., Lt-Col, Dr, NICOLAU, A, Lt-Col, Dr, MIHAILESCU, C., Maj, Dr, and CARUNTU, C., Capt, Dr [affiliation not given] 3

"The Study of Post-Virotic Chronic Hepatitis in Military Environment."

Bucharest, Revista Sanitara Militara, Vol 59, No 3, May-Jun 63, pp 447-459.

Abstract: A study based on an evaluation of 196 cases of post-virotic chronic hepatitis. Reviews the conditions of the study and discusses the factors influencing the development of chronic hepatitis. Includes an analysis of the etio-pathogeny and diagnosis of the disease, its evolution and curative and prophylactic measures. Contains data as to the results of the various treatments in reducing the duration of the disease. Includes 4 tables, 3 figures and 24 references, of which 19 Rumanian, 4 Russian and 1 English.

1/1

21

L 33718-66

ACC NR: AP6025151

SOURCE CODE: RU/0012/65/061/004/0549/0554

AUTHOR: Ionescu, M. (Doctor; Colonel); Zelter, E. (Doctor; Lieutenant colonel)

ORG: none

TITLE: Treatment of essential arterial hypertension 22

SOURCE: Revista sanitara militara, v. 61, no. 4, 1965, 549-554

TOPIC TAGS: cardiovascular disease, disease therapeutics

ABSTRACT: A survey of the principal current methods of treating arterial hypertension. The main topics covered are prophylactic measures, therapeutic principles in terms of the stage of the disease, and hygienic-dietary treatment. The authors conclude that successful treatment of such cases depends both on the skill of the physician and on the degree of cooperation of the patient. [JPRS: 33,500]

SUB CODE: 06 / SUBM DATE: 20Jan65 / ORIG REF: 012 / OTH REF: 002

Card 1/1

BOLDINSKIY, G.I., detz.; ZEL'TIN, A.I.

Coriolis' Theorem. Sbor. nauch.-issl. rab. TTI no.3:135-139  
'56. (MIRA 11:9)

(Mechanics)

ARZHANYKH, I.S.; BOLDINSKIY, G.I.; ZEL'TIN, A.I.

A significant error in designs of some pneumatic cotton harvesters.  
Izv. AN Uz.SSR. Ser.tekh.nauk no.2:59-62 '58. (MIRA 11:9)

1. Institut matematiki i mekhaniki im. V.I. Romanovskogo AN UzSSR.  
(Cotton picking machinery)

BOLDINSKIY, G.I.; ZEL'TIN, A.I.

Rotation of a solid body around an immovable axis under the effect of continuous impacts. Izv. AN Uz. SSR. Ser. tekhn. nauk no.5:68-77 '59. (MIRA 13:3)

1. Institut mekhaniki AN UzSSR.  
(Cotton gins and ginning)

BOLDINSKIY, G.I., dotsent; ZEL'TIN, A.I., dotsent

Theory of cotton gins. Sbor.nauch.-issl.rab.TTI no.12:21-23  
'61.

(MIRA 15:11)

(Cotton gins and ginning)

BOLDINSKIY, G.I., dotsent; ZEL'TIN, A.I., dotsent

Physical image of the motion of the gyroscope in the Lagrange case.  
Sbor.nauch.-issl.rab.TTI no.12:227-231 '61. (MIRA 15:11)  
(Gyroscope)

LEVKOVICH, B.A.; BOLDINSKIY, G.I.; ZEL'TIN, A.I.

Theory of removing fiber and lint on gins and linters. Izv.  
AN Uz.SSR.Ser.tekh.nauk 6 no.2:17-21 '62. (MIRA 15:7)

1. Tashkentskiy tekstil'nyy institut.  
(Cotton gins and ginning)

LEVKOVICH, B.A.; BOLDINSKIY, G.I.; ZEL'TIN, A.I.; DZHAMALOVA, M.M.

Theory of a cotton cleanser for removing minute impurities.  
Izv. AN Uz. SSR. Ser. tekhn. nauk 7 no.5:29-34 '63.

(MIRA 17:2)

1. Institut mekhaniki AN UzSSR.

LEVKOVICH, B.A.; ZEL'TIN, A.I.; BOLDINSKIY, G.I.; DZHAMALOVA, M.M.

Theory of a screen lattice with circular and elliptical cross  
section of the rods. Izv. AN Uz. SSR. Ser. tekhn. nauk 8  
no.1:28-33 '64. (MIRA 17:6)

1. Institut mekhaniki AN Uzbekskoy SSR.

ZISL'TIN, A.I., kandidat fiziko-matematicheskikh nauk.

Virtual displacements and variations of coordinates in analytical  
dynamics. Biul.SAGU no.30:119-123 '48. (MLRA 9:5)  
(Dynamics)

ZEL'TIN, A. I.

General Mechanics, Fundamentals of Mechanics (3586)  
Doklady Akademii Nauk Uzbek SSR, No 11, 1953, pp 14-18  
Boldinskiy, G. I., and Zel'tin, A. I.

On the Motion of a Body Under the Action of Continuous Impacts.

The author derives differential equations for the motion of a body under the action of impacts and also the laws of quantities of motion and the moments of quantities of motion.

So: Moscow, Referativnyy Zhurnal -- Mekhanika No 6, 1954 W-31059

SOV/124-58-3-2570

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 3, p 4 (USSR)

AUTHORS: Boldinskiy G. I., Zel'tin A. I.

TITLE: On the Movement of a Variable-mass System (K voprosu o dvizhenii sistemy peremennoy massy)

PERIODICAL: Tr. In-ta matem. i mekhan. AN UzbSSR, 1955, Nr 15, pp 93-98

ABSTRACT: The paper studies the equations of motion of a system having a variable mass which changes as a result of simultaneous attachment and separation of particles, presented in the form of Lagrange equations of the second rank:

$$\text{where } \frac{d}{dt} \frac{\partial T}{\partial \dot{q}_j} - \frac{\partial T}{\partial q_j} = Q_j + \frac{\partial \Pi_1}{\partial \dot{q}_j} + \frac{\partial \Pi_2}{\partial \dot{q}_j} \quad (1) \quad (1)$$

$$\Pi_1 = \sum_{i=1}^{3n} \lambda_{1i} m_{1i} \frac{\dot{x}_i^2}{2}, \quad u_{1i} = \lambda_{1i} v_i, \quad \Pi_2 = \sum_{i=1}^{3n} \lambda_{2i} m_{2i} \frac{\dot{x}_i^2}{2}, \quad u_{2i} = \lambda_{2i} v_i$$

Card 1/2

SOV/124-58-3-2570

On the Movement of a Variable-mass System

The following modes of motion are analyzed: 1. The variable masses  $m_{1i}$ ,  $m_{2i}$  and their absolute velocities  $u_{1i}$ ,  $u_{2i}$  explicitly do not depend upon  $q_j$  and  $\dot{q}_j$ . 2. The variable masses  $m_{1i}$ ,  $m_{2i}$  depend on  $q_j$  only. 3. The masses  $m_{1i}$  and  $m_{2i}$  depend upon  $\dot{q}_j$  only. 4. The masses  $m_{1i}$  and  $m_{2i}$  depend explicitly upon  $t$  and  $\dot{q}_j$ .

A. I. Zenkin

Card 2/2

ZEL'TIN, A.I.

124-11-12384

Translation from: Referativnyy Zhurnal, Mekhanika, 1957, Nr 11, p 8 (USSR)

AUTHORS: Boldinskiy, G. I., and Zel'tin, A. I.

TITLE: On the Coriolis Theorem. (O Teoreme Koriolisa)

PERIODICAL: Sb. nauchno-issled. rabot. Tashkentsk. tekstil'n. in-t, 1956, Nr 3, pp 135-139

ABSTRACT: It is proposed to define as the derived and the relative accelerations of a point the full derivatives with respect to time of the derived and relative velocities. (The A. refers to these as the "Full Derived" and the "Full Relative Accelerations" of the point). In that case the absolute acceleration of the point will consist of the sum of the two accelerations, namely, the full derived and the full relative acceleration, each of which contains one-half of Coriolis' compound supplementary acceleration. It is noteworthy that, while the proposed method for the determination of the absolute acceleration is entirely correct, it appears to be more complicated than the generally accepted one, since the "full relative" and the "full derived" accelerations do not have any simple kinematic significance.

D. R. Merkin

Card 1/1

BOLDINSKIY, G.I., dotsent; ZEL'TIN, A.I., dotsent

Differential equations of motion in the mechanics of solids with  
variable mass and nonholonomic connections. Sbor.nauch.-issl.rab.  
TTI no.9:43-50 '60. (MIRA 15:6)

(Motion)

BOLDINSKIY, G.I.; ZEL'TIN, A.I.

Differential equations of the motion of a solid around a fixed point  
under the action of continuous impact impulses. Sbor.nauch.-issl.  
rab.TTI no.12:235-240 '61. (MIRA 15:11)  
(Motion)

244100

S/124/62/000/007/002/027  
D234/D308

AUTHORS: Boldinskiy, G. I. and Zel'tin, A. I.

TITLE: Differential equations of motion of a rigid body about a fixed point under the action of continuous shock pulses.

PERIODICAL: Referativnyy zhurnal, Mekhanika, no. 7, 1962, 12, abstract 7A83 (Sb. nauchno-issled. rabot. Taskentsk. tekstil'n. in-t. 1961, no. 12, 235-240) √B

TEXT: The authors obtain differential equations of motion of a rigid body with a single fixed point for the case when particles collide with it continuously in a manner that is not completely elastic. Such collisions correspond in the equations to forces which depend on the rate of change and the velocity of motion of the colliding mass, the elastic properties of the body, the velocity of the point of the body which receives the shock. [Abstracter's note: Complete translation.]

Card 1/1

BOLDINSKIY, G.I.; ZEL'TIN, A.I.

Maggi's equations in the mechanics of systems of variable mass.  
Sbor. nauch.-issl. rab. TTI no.15:173-179 '62. (MIRA 16:9).

URAZBAYEV, M.T.; SHAKHAYDAROVA, P.A.; ZEL'TIN, A.I.

On M.F. Shul'gin's book "Some differential equations of  
analytic dynamics and their integration." Nauch. trudy  
TashGU no.209. Mat. nauki no.23:81-87 '62. (MIRA 16:8)

BERZINS, G.; ZELTIN, I.; LIEPINS, J., red.

[Wood plastics] Kokšnes plastikas. Rīga, Latvijas Valsts  
izdevība, 1964. 56 p. [In Latvian] (MIRA 18:1)

ZEL'TIN, K.

Forests and forestry.

Suburovskaja forest conservation station. MTS 12 No. 9, 1952.

Monthly List of Russian Accessions, Library of Congress, December 1952. UNCLASSIFIED.

IVANOV, V.F., doktor tekhn. nauk, prof. [deceased]; ONUFRIYEV, N.M.,  
doktor tekhn. nauk, prof.; ROT, A.V., kand. arkh. dots.;  
GRIGOR'YEVA, A.M., arkh.; ZAKHAR'YEVSKAYA, M.A., kand. tekhn.  
nauk; ZEL'LEN, L.V., kand. arkh.; KRAMSKOY, V.A., arkh.;  
KUNTSMAN, M.S., kand. arkh. dots.; LOKHANOV, G.I., arkh.;  
NIKOLAYEV, A.I., doktor tekhn. nauk, prof.; OSIPOV, Ye.A.,  
kand. tekhn. nauk, dots.; SAKHNOVSKIY, K.V., doktor tekhn.  
nauk prof.; TRULL', V.A., kand. tekhn. nauk, dots.; KARRQ  
V.M., inzh., nauchn. red.; MARGOLIN, A.G., inzh., nauchn.  
red.

[Elements of buildings and structures] Konstruktsii zdani  
i sooruzhenii. Leningrad, Stroiizdat, 1965. 487 p.

(MIRA 18:12)

TRUKHMANOV, B.G.; YEGORSHINA, L.A.; ZEL'TINA, N.F.

Reactivity of the preparations against spring and summer tick-  
borne encephalitis. Trudy Tom NIIVS 11:255-260 '60. (MIRA 16:2)

(ENCEPHALITIS) (IMMUNOCHEMISTRY)

PHASE I BOOK EXPLANATION 207/1116

Book. Bacterio-isolationally Institut vaktin 1 syrovotok  
Study, tom 11 (Transactions of the Tomsk Scientific Research Institute of Vaccines  
and Serums, Vol. 11) Tomsk, 1960. 327 p. 3,100 copies  
printed.

Editorial Board: B.O. Trubmanov (Assoc. Ed.), Director of the Tomsk Scientific  
Research Institute of Vaccines and Serums; S.P. Karpov (Deputy Ed.); Professor;  
Ye. I. Klayman (Secretary); M.A. Mastenitsa; and V.M. Pajov (Associate), Tech.  
Ed.: A.F. Gervitskiy.

PURPOSE: This collection of articles is intended for biologists, physicians,  
and medical personnel.

CONTENTS: The collection contains 18 papers on problems of epidemiology and micro-  
biology and 35 reports on the results of laboratory research. The book will  
republish of some of the results of the work of the Tomsk Scientific Research  
Institute. The results of the work of the Tomsk Scientific Research Institute  
will be abbreviated. Tomsk Scientific Research Institute of Vaccines and Serums  
vaktin 1 syrovotok (Tomsk Scientific Research Institute of Vaccines and Serums)  
as Tomsk Scientific Research Institute of Vaccines and Serums (Department of Micro-  
biology and Immunology) and the Tomsk Scientific Research Institute (Department of Micro-  
biology of the Tomsk Medical Institute) as Tomsk Department of Microbiology.

35. Buzubova, I.A. (Tomsk Institute). On the Preparation of a  
Listerial Antigen for Indirect Hemagglutination Reaction 225

36. Karpov, S.P. (Students' Scientific Circle at the Department  
of Microbiology of the Tomsk Medical Institute). Indirect  
Hemagglutination Reaction as a Method for Determining Growth  
of Antibodies on Listeria 228

37. Buzubova, Ye. I. (Tomsk Institute). Data for the Production of  
Anticapsular Serum 232

38. Trubmanov, B.O., and Ye. I. Buzubova (Tomsk Institute). Use of  
Bacteriophage Vaccine as an Antigen in the Production of Anticapsu-  
lar Serum 238

39. Pajov, V.M., A.P. Buzubova, and B.O. Trubmanov (Tomsk Institute).  
Study of Several Cases of the Production of Serum Compen-  
tized by the "Mikro" Method for the Institute of Epidemiology  
and Microbiology (Assoc. Secretary Academician M.P. Gerasimov of the  
Academy of Medical Sciences USSR) and of the Possibilities of  
Eliminating It 243

40. Gerasimov, A.P., B.I. Ponomarev, and B.A. Sushchik (Tomsk  
Institute). Experimental Prophylaxis of Bacteriophage Vaccine Against  
Spring-Summer Tick Encephalitis 250

41. Trubmanov, B.O., I.A. Yezhikova, and V.P. Selitskiy. On the  
Reactive Capacity of Preparations Against Spring-Summer Tick  
Encephalitis 255

42. Klayman, O.A. (Tomsk Institute; Department of Biochemistry of  
the Tomsk Medical Institute). Study of the Amino Acid Composition of  
Serum of Rabbit's Blood by the Method of Electrophoresis on Paper  
in Immobiling Them With Dyes of Various Antigen 261

43. Yezhikova, O.A. (Tomsk Institute; Department of Biochemistry of  
the Tomsk Medical Institute). Serum-Biochemical Parallels in  
Orbiting Borne's Agglutinating Serum 266

44. Buzubova, I.A. (Tomsk Institute). On the Method of Preparing  
Listerial Agglutinating Serum 270

45. Buzubova, I.A. (Tomsk Institute). The Effect of Various Preser-  
vatives, Time, and Storage Conditions on the Quality of Listerial  
Agglutinating Serum 275

46. Buzubova, I.A. (Tomsk Institute). Data on Preparation of Listerial  
Type-specific Adsorbed Serum 280

47. Buzubova, Ye. I. (Tomsk Institute). Accelerated Method for Obtaining  
Adsorbed Agglutinating Dyeantary Serum 284

48. Yezhikova, O.A. (Tomsk Institute). The Significance of Microbio-  
logic Antigen in the Production of Agglutinating Serum 288

49. Trubmanov, B.O., Ye. I. Klayman, and I.A. Yezhikova. On the Pos-  
sibility of Using White rats for Determining the Quality of Bacterial  
Preparations 292

50. Gerasimov, A.P. (Tomsk Institute). Efficiency of the Method of  
Continuous M3 [Mycobacterium Calmette-Guérin] Vaccination in Tomsk 299

ZEL'INA, N.I.F.

MEKHANIKOVA, V.G.; FEDOROV, Yu.V.; VASIL'YEVA, O.A.; ZEL'TINA, N.F.

Effect of the duration of storage on the virus-neutra-  
lizing activity of gamma globulin in tick-borne encephalitis.  
Trudy TomNIIVS 14:245-246 '63. (MIRA 17:7)

1. Tomskiy nauchno-issledovatel'skiy institut vaktsin i  
syvorotok.

VASIL'YEVA, O.A.; ZEL'TINA, N.F.

Changes in the specific activity and blood protein level at  
different periods following the administration of the antigen.  
Trudy TomNIIVS 14:266-269 '63. (MIRA 17:7)

1. Tomskiy nauchno-issledovatel'skiy institut vaktsin i  
syvorotok.

ZELTINS, I.

Unquiet life.

p. 18 (Padomju Latvijas Kolchoznieks. Vol. 9, no. 10, Oct. 1957, Riga, Latvia)

Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 2,  
February 1958

ZELTINS, I.

Important, but forgotten culture.

P. 31 (PADOMJU LATIJAS KOLCHOZNIEKS) Riga, Latvia Vol. 9, No. 7, July 1957.

SO: Monthly Index of East European Accessions (AEEI) Vol. 6, No. 11 November 1957.

L 01073-67 EWP(1)/EWP(m)

ACC NR: AR6028071 (AN) SOURCE CODE: UR/0124/66/000/005/B050/B050

AUTHOR: Butakov, S. Ye. ; Zel'ts, G. A.

TITLE: Experimental determination of the momentum along an isothermal jet stream /

SOURCE: Ref. zh. Mekhanika, Abs. 5B304

REF SOURCE: Sb. Teoriya i raschet ventilyats. struy. L., 1965, 249-257

TOPIC TAGS: jet flow, jet stream, jet momentum, momentum

ABSTRACT: A description is given of a procedure for determining the momentum of a jet stream by measuring the reaction of the screen exposed to the jet flow. The possibility is considered of measuring small air consumptions by the method of

reactions, using a standard analytical scale. A. S. Ginevskiy. [Translation of abstract] [AM]

SUB CODE: 04/

Card 1/1 vlr

ZEL'TSBURG, A.I., inzhener.

Work of the Eriyan Hydrogenation Plant. Masl.-zhir.prom. 20  
no.1:30-31 '55. (MLRA 8:3)

1. Yerevanskiy masloshirkombinat.  
(Eriyan—Oil industries)

ZEL'TSBURG, A.

Mechanization and automation of production processes in the food industry. Prom.Arm. 5 no.12:29-31 D '62. (MIRA 16:2)

1. Glavnyy inzh. Upravleniya pishchevoy promyshlennosti Soveta narodnogo khozyaystva Armyanskoy SSR. (Automation)  
(Armenia—Food industry)

ZEL'TSBURG, I.M., inzhener.

Automatic voltage regulation in industrial enterprises. Energetik 1 no.1:  
22-23 Je '53. (MLBA 6:8)

(Electric power distribution--High tension)

ZEL'TSBURG, L.M.; BELYAKOV, A.A.; ZHUKOV, A.A.

Universal autotransformer induction-resonance noncontact track  
switch. Priborostroenie no.4:28-29 Ap. '57. (MLRA 10:5)  
(Automatic control)

Zel'tsburg, L.M.

MUKOSEYEV, Yu.L.; ZEL'TSBURG, L.M.

Economics of power factor compensation in industrial enterprises. Energ.  
biul. no.5:2-7 My '57. (MIRA 10:6)

(Electric power)

SOV/ 105-58-8-17/21

AUTHOR: Zel'tsburg, L. M., Candidate of Technical Sciences

TITLE: Standard Specifications for an Economic Current Density  
(Normy na ekonomicheskuyu plotnost' toka)

PERIODICAL: Elektrichestvo, 1958, Nr 8, pp. 85 - 86 (USSR)

ABSTRACT: This is a commentary on the article by P. G. Grudinskiy and Ye. N. Priklonskiy in Elektrichestvo, 1957, Nr 3. That article contains a number of deficiencies. Instead of referring all future expenses to the present moment the authors suggest to proceed from the minimum of the total expenses to the end of the future period the duration of which is unfounded. The problem of the determination of an economic current density can be solved in a much simpler way and more correctly when the "method of the minimum of annual operational expenses" (Ref 3) is employed. It is based on the "method of the minimum costs of public goods" which was suggested by A. A. Stepankov (Ref 1) for the determination of the relative efficiency of the capital investments for the building of hydroelectric power plants as well as of

Card 1/3

Standard Specifications for an Economic Current  
Density

SOV/05-58-8-17/21

their operational costs. According to this method the annual expenses for the transmission of electrical energy can be expressed by formula (1). It is shown that (1) can be modified to formula (4). From this formula may be seen that the capital investments for the building of the transmission lines do not contain those for the additional generator power as was assumed in the paper of the author for the balancing of the losses of electrical energy. These investments are taken into account by the two-class tariff for electric energy. The basic class of the two-class tariff is determined according to the maximum of effective load, as a determination of it does not supply the effective production costs and the costs of the electric energy at the power station. - The author demonstrates the reasons which demand that a differentiated tariff for electric energy be adopted. - The formula (4) may be used independently of the fact whether an average or a differentiated tariff is taken. The formula (4) is differentiated according to the cross section and the derivative is set equal to zero. Formula (5) for the economical current density is obtained. This formula (5) in its structure reminds of the Kelvin formula but instead of the percentage for the capital the percentage for the public ex-

Card 2/3

Standard Specifications for an Economic Current  
Density

SOV/105-58-8-17/21

penses is entered. This reflects the socialist type of production. The curves plotted on the basis of formula (5) show that the economical current densities recommended by Grudinskiy and Priklonskiy and by the Regulations for the Erection of Electrotechnical Plants (Ref 4) are considerably higher than those obtained according to formula (5), and that they therefore do not agree with the amortization period laid down in these regulations. There are 1 figure and 4 references, all of which are Soviet.

ASSOCIATION: Gor'kovskoye otdeleniye Elektroproyekta  
(Gor'kiy Branch of the Electroproyekt)

1. Electric power production--Costs

Card 3/3

ZEL'TSBURG, L.M., kand.tekhn.nauk

All-Union Conference on Questions of the Economics of the Supply  
of Electric Power to Industrial Enterprises. Elektrichestvo no.4:  
89-90 Ap 60. (MIRA 14:4)  
(Electric power distribution--Congresses)

ZEL'TSBURG, L.M., kand.tekhn.nauk

Methods for determining the optimum power coefficient in  
electrical installations of industrial enterprises. Prom.energ.  
15 no.6:34-36 Je '60. (MIRA 13:7)  
(Electric engineering)

TOMAZOV, A.I.; FEDOSENKO, R.Ya.; ZEL'TSBURG, L.M., kand.tekhn.nauk

Concerning the determination of the optimum power coefficient. From.  
energ. 16 no.5:35-37 My '61. (MIRA 14:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zheleznodorozhnogo transporta Ministerstva putey soobshcheniya (for Tamazov).
2. Gor'kovskiy politekhnicheskii institut (for Zel'tsburg).  
(Electric railroads—Current supply)

ZEL'TSBURG, I.M. kand. tekhn. nauk, dotsent

Determination of economic wire and cable sizes taking into  
account the time factor. Trudy GPI 16 no.5:88-97 '60.  
(MIRA 16:4)

(Electric cables) (Electric wire)

ZEL'TSBURG, L.M.; ZHUKOV, A.A.

Determination of the power and currents of a short-circuit using a derived units technique. Elektrichestvo no.9:76-77 S '63.

(MIRA 16:10)

1. Gosudarstvennyy proyektnyy institut po proyektirovaniyu predpriyatiy elektropromyshlennosti, Gor'kiy.

MUKOSEYEV, Yu.L., kand. tekhn. nauk; ZEL'TSBURG, L.M., kand. tekhn. nauk

Flexible water-cooled cables for steel-smelting electric arc  
furnaces. Prom. energ. 18 no.6:59-60 Je '63. (MIRA 16:7)

1. Gorn'kovskiy politekhnicheskii institut.  
(Electric cables--Cooling)  
(Electric furnaces)

ZEL'TSBURG, L.M., kand.tekhn.nauk; MICHURIN, O.I., inzh.

Technical and economic expediency of using mercury rectifier units  
with advanced phase shift angle. Prom. energ. 18 no.8:4-9 Ag '63.  
(MIRA 16:9)

(Electric power distribution)

ZEL'TSEURG, L.M., kand. tekhn. nauk

Losses due to disruption of electric power supply. Prom. energ.  
20 no.6:27-29 Je '65. (MIRA 18:6)

ZEL'TSER, B.

Through Yugoslavia. Rab.1 aial. 32 no.2:12-13 P '56. (MLRA 9:5)  
(Yugoslavia--Description and travel)

ZEL'TSER, E.A.

Cyst of the appendix vermiformis. Khirurgiia no.10:89 0 '55.  
(MLRA 9:2)

1. Iz Kazalinskoy rayonnoy bol'nitsy Kzyl-Ordinskoy oblasti  
(APPENDIX (ANATOMY)--TUMORS) (CYSTS)

Submitted : ...

PILIYA, A.D. [translator]; ZEL'TSER, G.I. [translator]; LEMBERG, I.Kh. [translator]; KONSTANTINOV, O.V. [translator]; SHUT'KO, A.V. [translator]; SLIVA, L.A., red.; BURTSEV, A.K., red.; SOKOLOVA, T.S., tekhn.red.

[Deformation of atomic nuclei; generalized nucleus model and the Coulomb excitation method. Articles translated from the English] Deformatsiia atomnykh iader; obobshchennaya model' iadra i metod kulonovskogo возбуждения. Sbornik statei. Moskva, Izd-vo inostr.lit-ry, 1958. 383 p.

(MIRA 14:5)

(Nuclear shell theory) (Nuclei, Atomic)

ZEL'TSER, G.I.

Fractional parentage coefficients for the wave function of four  
particles. Zhur.eksp. i teor. fiz. 34 no.3:694-699 Mr '58.  
(MIRA 11:4)

1. Leningradskiy sel'skokhozyaystvennyy institut.  
(Wave mechanics)  
(Particles, Elementary)

SOV/56-34-3-24/55

AUTHOR:

Zel'tser, G. I.

TITLE:

The Fractional Parentage Coefficients for the Wave Function of Four Particles  
(Genealogicheskiye koeffitsiyenty volnovoy funktsii chetyrekh chastits)

PERIODICAL: Zhurnal Eksperimental'noy i Teoreticheskoy Fiziki, 1958, Vol. 34, Nr 3, pp. 694-699 (USSR)

ABSTRACT:

First the author shortly reports on earlier works dealing with the same subject. The present work is to show the following: The fractional parentage expansion of  $\langle 4 | 2, 2 \rangle$  for a complete wave function of 4 equivalent or non equivalent nucleons can be directly determined, that is to say, without a previous separate construction of the space-spin expansions and of isotopic expansions. In this no detailed utilization of the apparatus of the theory of permutation groups is needed on which the theory by H. A. Jahn (Refs 5, 7) is based. For the determination of the antisymmetric wave function of 4 nucleons the author selects the function

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